



## CURRICULUM VITAE

### DR AURORE LAFOSSE

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#### POSITION TITLE

Specialist in Plastic,  
Reconstructive and Esthetic  
Surgery

#### NATIONALITY

Belgian

#### EDUCATION

- June 2006 Graduated Maxima cum Laude Medicine Doctor, Université Catholique de Louvain, Brussels  
Accepted in Plastic Surgery fellowship program of the Université Catholique de Louvain
- 2006-2012 Fellow of the Collegium Chirurgicum Plasticum
- Oct 2012 Master Degree in Plastic, Reconstructive and Esthetic Surgery

#### *Other academic activities*

- 2000-2002 Research activity (student) in Orthopaedic Surgery Laboratory and Tissue Bank of the UCL.
- Aug 2006 Medical Doctor's degree USMLE step 2, obtain from the Educational Council for Foreign Medical Graduate USA

#### INTERNSHIP

- 2006-2008 UCL St Luc (Brussels): General Surgery
- 2008-2009 UCL St Luc (Brussels): Plastic, Reconstructive and Esthetic Surgery Unit (Pr R. Vanwijck)
- 2009-2010 CHRU (Lille): Plastic, Reconstructive and Esthetic Surgery Unit (Pr V. Martinot)
- 2010-2011 UCL St Luc (Brussels): Plastic, Reconstructive and Esthetic Surgery Unit (Pr R. Vanwijck)
- 2011-2012 CHU St Pierre (Brussels): Plastic, Reconstructive and Esthetic Surgery (Pr R. Deraemaeker)  
UCL St Luc (Brussels): Plastic, Reconstructive and Esthetic Surgery Unit (Pr B. Lengelé)

#### ACADEMIC ACTIVITY

- 2012-now Member of board and instructor: certificat inter-universitaire de spécialisation en soins de plaies et cicatrisation
- 2012-2015 Co-titular Plastic Surgery course of the UCL: Chirurgie du sein, reconstructrice et esthétique  
Co-titular Hospital Pharmacy course: Les implants en chirurgie plastique
- 2012-2015 Supervision of fellows in the plastic surgery complementary master of the UCL.

#### RESEARCH ACTIVITY

- 2012-today PhD student (spécialiste doctorant /FNRS grant) in Université Catholique de Louvain.  
"Development of a biological dressing made of adipose stem cells seeded on a biocompatible scaffold for dermal regeneration in diabetic wounds"

#### CLINICAL ACTIVITY

- 2012-2015 UCL St Luc (Brussels): Resident in Plastic surgery Unit (Pr B. Lengelé),
- 2014-2015 co-founder, and medical staff of the skin bank of St Luc university hospital (Pr D. Dufrane)
- 2015-now Independent clinical activity: Plastic Esthetic and Reconstructive Surgeon  
Sainte Anne - Saint Rémi Clinic - CHIREC (Brussels)  
Claris Clinic (La Hulpe)  
Consultations : For.med medical center (Brussels) and Drève Richelle (Waterloo)

## PEER-REVIEWED PUBLICATIONS

- Irreversible perforations in vertebral trabeculae? Banse X., Devogelaer JP., Delloye C., Lafosse A., Holmyard D., Gryn timer M. *J Bone Mineral Research*, 2003 Jul, 18(7):1247-53.
- Cross-link profile of bone collagen correlates with structural organization of trabeculae. Banse X, Devogelaer JP, Lafosse A, Sims TJ, Gryn timer M, Bailey AJ. *Bone*, 2002 Jul; 31(1):70-6.
- A propos d'un cas de lympheoedème géant du membre supérieur: Intérêt du Ligasure et importance du traitement multidisciplinaire. A. Lafosse, C. Vandputte, I. Sabor, P. Mahaudens, C. Denoel. *Annales de Chirurgie Plastique Esthétique*, 2011 Aug; 56(4):325-8
- Combination of tissue expansion and porcine mesh for secondary abdominal wall closure after pediatric liver transplantation. A. Lafosse, C. de Magnée, A. Brunati, B. Bayet, R. Vanwijck, R. Reding. *Pediatric Transplantation*, 2011 Aug;16(5):E150-2.
- Tandem Gynécologue-Chirurgien plasticien en chirurgie du cancer du sein: Pour qui? Pour quoi? A. Lafosse, B. Lengelé, M. Berlière. *Louvain Med.* 2013;132(8):600-4.
- Application of Electron Paramagnetic Resonance (EPR) Oximetry to Monitor Oxygen in Wounds in Diabetic Models. Desmet CM, Lafosse A, Vériter S, Porporato PE, Sonveaux P, Dufrane D, Levêque P, Gallez B. *PLoS One*. 2015 Dec 14;10(12)
- Autologous adipose stromal cells seeded on a human collagen matrix for dermal regeneration in chronic wounds: clinical proof of concept. Aurore Lafosse.; Celine Desmet; Najima Aouassar; Wivine Andre; Marie-Sophie Hanet; Christophe Beauloye; Romain Vanwijck; Hélène A. Poirel; Bernard Gallez; Denis Dufrane. *Plastic Recons Surgery*, 2015 Aug;136(2):279-95.
- Human Adipose-Derived Mesenchymal Stem Cells in Cell Therapy: Safety and Feasibility in Different «Hospital Exemption» Clinical Applications. Vériter S, André W, Aouassar N, Poirel HA, Lafosse A, Docquier PL, Dufrane D. *PLoS One*. 2015 Oct 20;10(10):e0139566.

## BOOK CHAPTER

- R. Vanwijck, A. Lafosse, B. Bayet. La cicatrisation de l'enfant. "Les plaies de l'enfant". Sauramps Médical, Paris, 2009, p 11-27.

## ORAL PRESENTATIONS

- A.Lafosse, B.Lengelé, M. de Tourtchaninoff, R.Vanwijck. Nerfs sensitifs cranio-faciaux et migraine: perspectives thérapeutiques médicochirurgicales, Table ronde de la Réunion de Printemps de la SOFCPRE (Société Française de Chirurgie Plastique, Reconstructrice et Esthétique), 2006, *Brussels, Belgium*.
- A.Lafosse, M.de Tourtchianinoff, B. Lengele, R. Vanwijck. Toxine botulique et céphalées: des mécanismes physiopathologiques aux nouvelles perspectives thérapeutiques. Formation post universitaire de Neurologie, 2006, *Brussels, Belgium*.
- A.Lafosse, B.Lengelé, M. de Tourtchaninoff, R.Vanwijck. Nerfs sensitifs cranio-faciaux et migraine: perspectives thérapeutiques médicochirurgicales. Congrès Annuel de la Société Française de Chirurgie Maxillofaciale et Stomatologie. 2006, *Besançon, France*.
- A. Lafosse, M. Jadoul, M. Mourad, A.Tarnion, R. Vanwijck. Management of Wound Induced by Calciphylaxis. Annual meeting of EWMA. 2006, *Prague, Czech Republic*.

- A.Lafosse, J-C.Yombi, R. Gheerardijn, R.Vanwijck. Fasciite nécrosante sous AINS. Journée des Jeunes Plasticiens, *2008, Paris, France.*
- A. Lafosse, B. Bayet, C. de Magnée, A. Brunati, R. Reding, R. Vanwijck. Reconstruction pariétale par association d'expansion cutanée et d'une prothèse semi-synthétique. Journée des Jeunes Plasticiens, *2009, Paris, France.*
- A. Lafosse, J. Kaba, M. Gonzales, R. Vanwijck. Immediate skin grafting of subacute and chronic wounds debrided by hydrosurgery. Annual Meeting of EWMA. *2009, Helsinki, Finland.*
- C. Denoel, M. Servaes, A. Lafosse, S. Tourbach, A. Modarressi, M.F. Ismael Aguirre, Ph Mahaudens, B. Lengelé, R. Vanwijck. Note technique sur les seins tubéreux de type II et III: la voie hémi-aréolaire supérieure. Congrès de Printemps et Symposium de Vidéo-Plastie. *2009, Toulouse, France.*
- A. Lafosse, B. Bayet, R. Vanwijck Outcome of early V-W push-back palatoplasty. 1st European Plastic Surgery Research Council, *Aug 2009, Hambourg, Germany.*
- D. Meunier, A. Lafosse, R. Vanwijck. Table ronde Mélanome : Traitement primitif du mélanome. Réunion d'Automne de la SOFCPRE. *November 2009, Paris, France.*
- A. Lafosse, B. Bayet, G. François, R. Vanwijck. Traitement conservateur dans la séquence de Pierre Robin. Journée des Jeunes Plasticiens. *March 2010, Paris, France.*
- A. Lafosse, L. Myon . Otoplastie : Variante technique. 11ème Journée des Plasticiens du Nord. *2010, Lille, France.*
- A. Lafosse, M-S. Hanet, N. Aouassar, D. Xhema, R-M. Goebbels, R. Vanwijck, D. Dufrane Chronic wound healing and autologous adipose mesenchymal stem cells. From fat reinjection to regenerative medicine. *July 2011, Marseille, France.*
- A. Lafosse, M-S. Hanet, N. Aouassar, D. Xhema, R-M. Goebbels, R. Vanwijck, D. Dufrane. Chronic wound healing by a bioengineered graft made of autologous adipose mesenchymal stem cells and allogeneic human acellular collagen matrix. Transplant Society meeting. *October 2011, Miami, USA.*
- B. Bayet, A. Lafosse. Table ronde Chirurgie Pédiatrique : optimisation de l'expansion cutanée par l'incision lambda. Réunion d'Automne de la SOFCPRE. *November 2011, Paris, France.*
- A. Lafosse, S. Tourbach, Y. Deswysen, J.M. Collard, M. Hamoir, S. Schmitz, B. Lengelé. Total esophageal reconstruction with a pre-expanded ITAP skin tube. Spring Meeting of the Royal Belgian Society of Plastic Surgeons (RBSPS) *2012, Hasselt, Belgium.*
- A. Lafosse, M-S. Hanet, N. Aouassar, D. Xhema, R-M. Goebbels, R. Vanwijck, D. Dufrane. Chronic wound healing by a bioengineered graft made of autologous adipose mesenchymal stem cells and allogeneic human acellular collagen matrix. European Association of Plastic Surgeons Research Council (EURAPS RC) *May 2012, Munich, Germany.*
- A. Lafosse, N. Aouassar, M-S. Hanet, W. Andre, R. Vanwijck, D. Dufrane. Transplantation of a composite graft made of autologous adipose mesenchymal stem cells and human acellular collagen matrix to restore the skin integrity in chronic wounds. Belgian Transplantation Society, *March 2013, Brussels, Belgium.*
- A. Lafosse N. Aouassar, M-S. Hanet, W. Andre, B. Lengelé, R. Vanwijck, D. Dufrane. Chronic wound healing by a bioengineered graft made of autologous adipose mesenchymal stem cells and allogeneic human acellular collagen matrix. Spring meeting of the RBSPS, *April 2013, Liege, Belgium.*

- A. Lafosse, M. Coyette, B. Lengelé, M. Berlière. Tandem gynecologist and plastic surgeon in breast oncologic surgery. From multidisciplinary to interdisciplinarity in gynecology, *October 2013, Brussels, Belgium.*
- A. Lafosse, N. Aouassar, M.S. Hanet, W. Andre, B. Lengelé, R. Vanwijck, D. Dufrane. Improvement of the fibrotic dermal tissue by a composite graft made of autologous adipose mesenchymal stem cells (AMSCs) seeded on a human acellular collagen matrix (HACM): application in large critical size of chronic wounds. International Federation for Adipose Therapeutics and Science (IFATS), *November 2013, New York, USA.*
- A. Lafosse, N. Aouassar, W. Andre, M.S. Hanet, R. Vanwijck, D. Dufrane. Clinical safety and efficacy of a biological dressing made of autologous adipose stromal cells seeded on a human acellular collagen matrix to improve dermal regeneration in chronic wounds : proof of concept. (poster presentation) Belgian Society for Stem cell Research (BeSSCR). *September 2014, Ghent, Belgium.*
- A. Lafosse, Najima Aouassar, Sophie Vériter, Wivine Andre, Marie-Sophie Hanet, Romain Vanwijck, Denis Dufrane. The potential of stem cells for skin regeneration: from physio-pathology to therapeutic effect. Belgian federation for wound healing (BEFEWO), *October 2014, Brussels, Belgium.*
- S. Djaoudi, A. Lafosse. Plastie mammaire à cicatrice verticale. Pratique de l'héritage de Madeleine Lejour. Indications et techniques. 5ème cours supérieur du sein. *November 2014, Stasbourg, France.*
- A. Lafosse, P. Palacios Vargas, W. André, S. Vériter, D. Dufrane. Impact of diabetes on dermal fibroblasts and keratinocytes: potential of adipose-derived stem cells in cell therapy for chronic diabetic wounds. (Poster presentation). International Society of Stem Cells Research, *June 2015, Stockholm, Sweden.*
- A. Lafosse. Pexie/réduction mammaire par technique verticale pure. Journée des plasticiens du Nord. *July 2015, Lille, France.*

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